

REPORT OF THE COUNCIL TO THE EIGHTY-SEVENTH ANNUAL
GENERAL MEETING OF THE SOCIETY.

The following table shows the progress and present state of
the Society :—

	Patron	Honorary Members	Fellows		Associates	Total
			Compounders	Annual Subscribers		
1905 December 30	1	2	259	398	49	709
Since elected ... ..	...	+ 1	+ 2	+ 33	+ 1	...
Deceased ... ..	...	...	- 5	- 9	- 2	...
Resigned ... ..	...	...	...	- 6	...	...
Removals ... ..	...	...	+ 4	- 4	...	...
Expelled ... ..	...	...	...	- 3	...	...
1906 December 31	1	3	260	409	48	721

Major Hills' Account as Treasurer of the Royal

RECEIVED.

Balances, 1905 December 31 :—	£	s.	d.	£	s.	d.
At Bankers', as per Pass-book	299	0	2			
Cheques not credited till 1906	7	18	5			
In hand of Assistant Secretary on Account of Turnor and Horrox Fund	4	13	11			
In hand of Assistant Secretary on Petty Cash Account	8	19	10			
				320	12	4
Dividends :—						
£1,250 Metropolitan 3-per-cent. Stock ...	35	12	8			
£932 19 0 Metropolitan 2½-per-cent. Stock ...	22	3	4			
Half-year's Dividend on £1,484 17 5 Swansea Corporation 3½-per-cent. Stock	24	13	9			
Half-year's Dividend on £1,584 17 5 Swansea Corporation 3½-per-cent. Stock	26	7	0			
£3,400 East Indian Railway 3-per-cent. De- benture Stock	96	18	0			
£3,200 London and North-Western Railway 3-per-cent. Debenture Stock	91	4	0			
£4,000 Midland Railway 2½-per-cent. Deben- ture Stock	95	0	0			
£500 Lancashire and Yorkshire Railway 3-per- cent. Consolidated Preference Stock ...	14	5	0			
£1,860 Gas Light and Coke Co. 3-per-cent. Debenture Stock	53	0	2			
£1,650 Commercial Gas Co. 3-per-cent. Deben- ture Stock	47	0	6			
				506	4	5
Received on account of Subscriptions :—						
Arrears	128	2	0			
Annual Contributions for 1906	596	8	0			
„ „ in advance	12	12	0			
Admission Fees	73	10	0			
First Contributions	52	10	0			
				863	2	0
Composition Fees... ..				87	3	0
Sales of Publications, &c. :—						
At Williams & Norgate's, 1905	11	16	0			
At Society's Rooms, 1906	94	0	8			
Sales of Photographs, 1906	35	12	6			
				141	9	2
Income Tax refunded by Commissioners of Inland Revenue				26	10	6
Bequest of the late Rev. A. S. Farrar				100	0	0
Sale of £932 19 0 Metropolitan 2½-per-cent. Stock				719	9	7
Audited and found correct, 1907 Jan. 8 :						
G. J. NEWBIGIN.						
A. E. CONRADY.						
W. W. BRYANT.						
				2,764	11	0

Report of the Auditors.

We have examined the Treasurer's accounts of receipts and expenditure for the year 1906, and have found and certified the same to be correct. The cash in hand on December 31, 1906, including the balance at the bankers', etc., amounted to £19, 4s. 5d.

The overdraft of £400 at the bank has been repaid, but it has been found necessary to sell £932, 19s. Metropolitan 2½-per-cent. Stock, which realised £719, 9s. 7d.

£379, 15s. 2d. Swansea Corporation 3½-per-cent. Stock has been purchased, in addition to the investment of a bequest of £100 from the late Rev. A. S. Farrar, received during the year. The result has been that the expenditure for the year has exceeded the income by about £200, chiefly in consequence of the large amount of the bills for printing. In this connection we are glad to find that a change of printers has taken place, which we trust will result in a considerable reduction of this item.

The books, instruments, and other effects in the possession of the Society have been examined, and they appear to be in a satisfactory condition, with the exception of some of the instruments in the basement, with regard to which we regret to find that so far no practical result has followed from the recommendation made by the Auditors last year to eliminate those of no practical value or historic interest. We desire to repeat this recommendation with greater emphasis, as it is a matter which obviously grows more pressing each year.

We have laid on the table a list of the names of those Fellows who are in arrear for sums due at the last Annual General Meeting of the Society, with the amount due against each Fellow's name.

(Signed) WALTER W. BRYANT.
G. J. NEWBEGIN.
A. E. CONRADY.

1907 January 11.

Bequests to the General Funds of the Society.

The Carrington Bequest (1876): A sum of £2,000 Consols. Sold in 1899, and stands now in £1,881 14s. London and North-Western Railway 3-per-cent. Debenture Stock.

The McClean Bequest (1905): A sum of £2,000. £1,600 of this sum invested in the purchase of £1,484 17s. 5d. Swansea Corporation 3½-per-cent. Stock.

The Farrar Bequest (1906): A sum of £100. Invested in Swansea Corporation 3½-per-cent. Stock.

Trust Funds.

The Turnor Fund: A sum of £464 18s. East Indian Railway 3-per-cent. Debenture Stock; the interest to be used in the purchase of books for the Library.

The Horrox Memorial Fund: A sum of £103 6s. East Indian Railway 3-per-cent. Debenture Stock; the interest to be used in the purchase of books for the Library.

The Lee and Janson Fund: A sum of £334 10s. 9d. East Indian Railway 3-per-cent. Debenture Stock; the interest to be given by the Council to the widow or orphan of any deceased Fellow of the Society who may stand in need of it.

The Hannah Jackson (née Gwilt) Fund: A sum of £309 18s. 6d. East Indian Railway 3-per-cent. Debenture Stock; the interest to be given in Medals or other awards, in accordance with the terms of the Trust.

Assets and Present Property of the Society, 1907 January 1.

Balances, 1905 December 31:—

	£	s.	d.	£	s.	d.
At Bankers'	14	1	0			
In hand of Assistant Secretary on Account of Turnor and Horrox Fund	4	6	0			
In hand of Assistant Secretary on Petty Cash Account	0	17	5			
				19	4	5
Due on account of Subscriptions:—						
4 Contributions of 5 years' standing	42	0	0			
8 „ 4 „	67	4	0			
9 „ 3 „	56	14	0			
33 „ 2 „	138	12	0			
60 „ 1 „	126	0	0			
	430	10	0			
Less Contributions paid in advance	12	12	0			
				417	18	0
Due for Photographs sold				0	15	0
Due from Messrs Williams & Norgate for sales of Publications, 1906				44	18	1
£3,400 East Indian Railway 3-per-cent. Debenture Stock, in- cluding the Turnor Fund, the Horrox Memorial Fund, the Lee and Janson Fund, and the Hannah Jackson (<i>née</i> Gwilt) Fund.						
£3,200 London and North-Western Railway 3-per-cent De- benture Stock (including the Carrington Bequest).						
£4,000 Midland Railway 2½-per-cent. Debenture Stock.						
£500 Lancashire and Yorkshire Railway 3-per-cent. Consolidated Preference Stock.						
£1,860 Gas Light and Coke Co. 3-per-cent. Debenture Stock.						
£1,650 Commercial Gas Co. 3-per-cent. Debenture Stock.						

£1,250 Metropolitan 3-per-cent. Stock.

£1,864 12s. 7d. Swansea Corporation 3½-per-cent. Stock (including £1,800 of the McClean Bequest of £2,000).

£100 Swansea Corporation 3½-per-cent. Stock (being Investment of Canon Farrar's Bequest).

Astronomical and other Manuscripts, Books, Prints, Photographs, and Instruments.

Furniture, &c.

Stock of Publications of the Society.

Celestial Photographs.

The following is a list of reproductions of Celestial Photographs published by the Royal Astronomical Society for sale to the Fellows :—

R.A.S. Ref. No.	Subject.	Photographed by
1	Total Solar Eclipse, 1889 January 1	W. H. Pickering
2	Total Solar Eclipse, 1893 April 16	J. M. Schaeberle
3	Total Solar Eclipse, 1886 August 29	A. Schuster
4	Nebulæ in the <i>Pleiades</i>	Isaac Roberts
5	Nebula M 74 <i>Piscium</i> (N.G.C. 628)	Isaac Roberts
6	Great Nebula in <i>Orion</i>	Isaac Roberts
7	Milky Way near M 11	E. E. Barnard
8	Milky Way near Cluster in <i>Perseus</i>	E. E. Barnard
9	Comet <i>c</i> 1893 IV. (Brooks), 1893 October 21	E. E. Barnard
10	Comet <i>a</i> 1892 I. (Swift), 1892 April 7	E. E. Barnard
11	Nebula about η <i>Argus</i>	David Gill
12	Portion of Moon (Hyginus-Albategnius)	Loewy and Puiseux
13	Comet <i>c</i> 1893 IV. (Brooks), 1893 October 22	E. E. Barnard
14	Comet <i>c</i> 1893 IV. (Brooks), 1893 October 20	E. E. Barnard
15	Comet <i>c</i> 1893 IV. (Brooks), 1893 November 10	E. E. Barnard
16	Comet <i>a</i> 1892 I. (Swift), 1892 April 26	E. E. Barnard
17	Comet <i>f</i> 1892 III. (Holmes), 1892 November 10	E. E. Barnard
18	Comet <i>a</i> 1892 I. (Swift), 1892 April 18	E. E. Barnard
19	Portion of Moon (Alps, Apennines, &c.)	Loewy and Puiseux
20	Nebula in <i>Andromeda</i>	Isaac Roberts
21	<i>Jupiter</i> , 1892 September 26	Lick Observatory
22	Cluster M 13 <i>Herculis</i> (N.G.C. 6205)	W. E. Wilson
23	Total Solar Eclipse, 1893 April 16 (5 sec.)	J. Kearney
24	Total Solar Eclipse, 1893 April 16 (20 sec.)	J. Kearney
25	The Moon (Age 7 ^d 3 ^h)	Lick Observatory
26	The Moon (Age 12 ^d 6½ ^h)	Lick Observatory

R.A.S. Ref. No.	Subject.	Photographed by
27	The Moon (Age 16 ^d 18 ^h)	Lick Observatory
28	The Moon (Age 23 ^d 8 ^h)	Lick Observatory
29	The Sun, 1892 February 13	Roy. Obs. Greenwich
30	The Sun, 1892 July 8	Roy. Obs. Greenwich
31	Portion of Moon (Region of Maginus)	Loewy and Puiseux
32	The Moon (Age 14 ^d 1 ^h)	Lick Observatory
33	Portion of Moon (Ptolemæus, &c.)	Lick Observatory
34	Portion of Moon (Mare Serenitatis)	Lick Observatory
35	Portion of Moon (Clavius, Licetus, &c.)	Lick Observatory
36	Portion of Moon (Regiomontanus, &c.)	Lick Observatory
37	Portion of Moon (Tycho, Thebit, &c.)	Lick Observatory
38	Portion of Moon (Theophilus, &c.)	Lick Observatory
39	Total Solar Eclipse, 1896 August 9 (3 sec.)	S. Kostinsky
40	Total Solar Eclipse, 1896 August 9 (26 sec.)	A. Hansky
41	Cluster M 56 <i>Lyrae</i> (N.G.C. 6779)	
42	Nebulæ M 81, 82 <i>Ursæ Majoris</i> (N.G.C. 3031, 3034)	
43	Cluster M 56 <i>Lyrae</i> (enlarged) (N.G.C. 6779)	
44	Solar Corona, 1871 December 12, Baikul	H. Davis
45	Solar Corona, 1875 April 6, Siam	Lockyer and Schuster
46	Solar Corona, 1878 July 29, Wyoming	W. Harkness
47	Solar Corona, 1882 May 17, Egypt	Abney and Schuster
48	Solar Corona, 1883 May 6, Caroline Island	Lawrance and Woods
49	Solar Corona, 1885 September 9, Wellington, N.Z.	Radford
50	Solar Corona, 1886 August 29, Grenada, W.I.	A. Schuster
51	Solar Corona, 1887 August 19, Japan	M. Sugiyama
52	Solar Corona, 1889 January 1, California	W. H. Pickering
53	Solar Corona, 1889 December 22, Cayenne	J. M. Schaeberle
54	Solar Corona, 1893 April 16, Fundium	J. Kearney
55	Solar Corona, 1893 April 16, Brazil	A. Taylor
56	Great Nebula in <i>Orion</i>	W. E. Wilson
57	Dumb-bell Nebula, <i>Vulpecula</i> (N.G.C. 6853)	W. E. Wilson
58	Spiral Nebula, <i>Canes Venatici</i> (N.G.C. 5194-5)	W. E. Wilson
59	Ditto (enlarged) (N.G.C. 5194)	W. E. Wilson
60	Annular Nebula, <i>Lyra</i> (N.G.C. 6720)	W. E. Wilson
61	Meteor Trail and Comet Brooks, 1893 November 13	E. E. Barnard
62	Total Solar Eclipse, 1898 January 22 (5 sec.)	W. H. M. Christie
63	Total Solar Eclipse, 1898 January 22 (20 sec.)	W. H. M. Christie
64	Solar Corona, 1896 August 9, Novaya Zemlya	G. Baden-Powell
65	Solar Corona, 1898 January 22, Pulgaon, India	E. H. Hills
66	Nebula in <i>Andromeda</i>	Roy. Obs., Greenwich

R.A.S. Ref. No.	Subject.	Photographed by
67	Spectrum of Sun's Limb, 1898 January 22	E. H. Hills
68	Annual Nebula, <i>Lyra</i> (N.G.C. 6720)	Lick Observatory
69	Dumb-bell Nebula, <i>Vulpecula</i> (N.G.C. 6853)	Lick Observatory
70	Spiral Nebula, <i>Canes Venatici</i> (N.G.C. 5194-5)	Lick Observatory
71	Spiral Nebula, <i>Ursa Major</i> (N.G.C. 5457)	Lick Observatory
72	Trifid Nebula, <i>Sagittarius</i> (N.G.C. 6514)	Lick Observatory
73	Great Nebula in <i>Orion</i>	Lick Observatory
74	Cluster M 13 <i>Herculis</i> (N.G.C. 6205)	Lick Observatory
75	Solar Surface with Faculæ, 1893 August 7	G. E. Hale
76	Faculæ and Prominences, 1892 June 25	G. E. Hale
77	Total Solar Eclipse, 1898 Jan. 22 ($\frac{3}{8}$ sec.)	W. H. M. Christie
78	Nebula H V, 14 <i>Cygni</i> (N.G.C. 6992)	W. E. Wilson
79	Portion of Moon (Theophilus, &c.)	Yerkes Observatory
80	Total Solar Eclipse, 1900 May 28 (30 sec.)	E. E. Barnard
81	Comet 1901 I., 1901 May 4	Roy. Obs., Cape of G. H.
82	Comet 1901 I., 1901 May 6	Roy. Obs., Cape of G. H.
83	Comet 1901 I., 1901 May 9	Perth Obs., W. Australia
84	Solar Surface with Faculæ, 1895 August 18	H. Deslandres
85	Solar Prominences, 1894 April 11	H. Deslandres
86	Nebula about Nova <i>Persei</i> , 1901 September 20	G. W. Ritchey
87	Nebula about Nova <i>Persei</i> , 1901 November 13	G. W. Ritchey
88	Total Solar Eclipse, 1901 May 18 (10 sec.)	F. W. Dyson
89	Total Solar Eclipse, 1901 May 18 (40 sec.)	F. W. Dyson
90	Comet <i>b</i> 1902 III. (Perrine), 1902 Sept. 29	Roy. Obs., Greenwich
91	Portion of Moon (Mare Serenitatis, &c.)	Yerkes Observatory
92	Portion of Moon (Rough Crater Region, Mare Nubium)	Yerkes Observatory
93	Portion of Moon (Tycho, Theophilus, &c.)	Yerkes Observatory
94	Portion of Moon (Bullialdus to Copernicus)	Yerkes Observatory
95	Portion of Moon (Copernicus, enlarged)	Yerkes Observatory
96	Great Nebula in <i>Orion</i>	Yerkes Observatory
97	Great Nebula in <i>Orion</i> (Central portion)	Yerkes Observatory
98	Nebula in <i>Andromeda</i>	Yerkes Observatory
99	Nebula in <i>Cygnus</i> (N.G.C. 6960)	Yerkes Observatory
100	Nebula in <i>Cygnus</i> (N.G.C. 6992)	Yerkes Observatory
101	Cluster M 13 <i>Herculis</i> (N.G.C. 6205)	Yerkes Observatory
102	Cluster M 15 <i>Pegasi</i> (N.G.C. 7078)	Yerkes Observatory
103	Solar Surface with Faculæ	Yerkes Observatory
104	The Moon, 1900 April 5	P. Puiseux
105	The Moon, 1902 November 13	P. Puiseux

R.A.S. Ref. No.	Subject.	Photographed by
106	The Moon, 1903 February 6	P. Puiseux
107	The Moon, 1903 September 12	P. Puiseux
108	Nebulosity about 15 <i>Monocerotis</i>	E. E. Barnard
109	Milky Way about β <i>Cygni</i>	E. E. Barnard
110	Nebulosity near α <i>Cygni</i>	E. E. Barnard
111	Milky Way near χ <i>Cygni</i>	E. E. Barnard
112	Star Cloud in <i>Sagittarius</i>	E. E. Barnard
113	Milky Way in <i>Cepheus</i>	E. E. Barnard
114	Milky Way about M 8	E. E. Barnard
115	Milky Way about θ <i>Ophiuchi</i>	E. E. Barnard
116	Milky Way near N.G.C. 6475	E. E. Barnard
117	Great Nebula near ρ <i>Ophiuchi</i>	E. E. Barnard
118	Milky Way about 58 <i>Ophiuchi</i>	E. E. Barnard
119	Milky Way near <i>Omega</i> nebula	E. E. Barnard
120	Star Cloud in <i>Sagittarius</i>	E. E. Barnard
121	Nebula about ν <i>Scorpii</i>	E. E. Barnard
122	Sun, 1905 January 30	Roy. Obs., Greenwich
123	Sun-spot, 1905 January 30	Roy. Obs., Greenwich
124	Sun, 1905 January 31	Roy. Obs., Greenwich
125	Sun-spot, 1905 January 31	Roy. Obs., Greenwich
126	Sun, 1905 February 2	Roy. Obs., Greenwich
127	Sun-spot, 1905 February 2	Roy. Obs., Greenwich
128	Sun, 1905 February 3	Roy. Obs., Greenwich
129	Sun-spot, 1905 February 3	Roy. Obs., Greenwich
130	Sun, 1905 February 5	Roy. Obs., Greenwich
131	Sun-spot, 1905 February 5	Roy. Obs., Greenwich
132	Sun, 1905 February 8	Roy. Obs., Greenwich
133	Sun-spot, 1905 February 8	Roy. Obs., Greenwich
134	Nebula near ψ <i>Eridani</i> , 1905 January 8	Max Wolf
135	Nebula M 33 <i>Trianguli</i> (N.G.C. 598)	Isaac Roberts
136	Nebula in <i>Perseus</i> (N.G.C. 1499)	Isaac Roberts
137	Nebula in <i>Monoceros</i> (N.G.C. 2237-9)	Isaac Roberts
138	Nebula μ V. 24 <i>Comæ</i> (N.G.C. 4565)	Isaac Roberts
139	Nebulae μ V. 42, &c., <i>Comæ</i> (N.G.C. 4631)	Isaac Roberts
140	Nebulae μ V. 37 <i>Cygni</i> (N.G.C. 7000 ?)	Isaac Roberts
141	Nebula Index Cat. 405 <i>Persei</i>	Isaac Roberts
142	Clusters in <i>Perseus</i> (N.G.C. 869, 884)	Isaac Roberts
143	Cluster μ VI. 30 <i>Cassiopeiae</i> (N.G.C. 7789)	Isaac Roberts
144	Eclipse, 1905 August 30 (5 sec.)	W. H. M. Christie
145	Eclipse, 1905 August 30 (20 sec.)	W. H. M. Christie

R.A.S. Ref. No.	Subject.	Photographed by
146	Eclipse, 1905 August 30 (7 sec.)	W. H. M. Christie
147	Eclipse, 1905 August 30 (20 sec.)	W. H. M. Christie
148	Eclipse, 1905 August 30 (Portion)	W. H. M. Christie
149	Region of Nebula ρ <i>Ophiuchi</i>	E. E. Barnard
150	Nebula ρ <i>Ophiuchi</i> (enlarged)	E. E. Barnard
151	Region of θ <i>Ophiuchi</i>	E. E. Barnard
152	Great Rift near θ <i>Ophiuchi</i>	E. E. Barnard
153	Great Star Cloud in <i>Sagittarius</i>	E. E. Barnard
154	Small Star Cloud in <i>Sagittarius</i>	E. E. Barnard
155	Region of Cluster M 11	E. E. Barnard

Nos. 44-55, Nos. 64, 65, and No. 147 form a series of corona photographs, oriented and reduced to the same scale.

The above photographs are now on sale to Fellows as prints, either platinotype or aristotype, mounted on sunk cut-out mounts, measuring 12 inches by 10 inches; also unmounted, and as lantern slides. Nos. 44-55 and Nos. 64 and 65 are also supplied as transparencies, $6\frac{1}{4}$ inches square.

Price of prints, mounted 1s. 6d. each, unmounted 1s. each; lantern slides, 1s. each; packing and postage extra.

Transparencies, $6\frac{1}{4}$ inches square (Nos. 44-55 and Nos. 64 and 65), 3s. 6d. each.

Orders to be addressed to W. H. Wesley, Burlington House, London, W. In ordering prints or slides the R.A.S. Reference No. only need be quoted, but in the case of prints it should be stated whether platinotypes or aristotypes are required, and whether mounted or unmounted.

The Gold Medal.

The Council have awarded the Society's Gold Medal to Professor Ernest W. Brown, F.R.S., for his researches in the Lunar Theory. The President, in his Address to the Society, gives the grounds upon which the award has been founded.

Publications of the Society.

During the past year vol. lxvi. of the *Monthly Notices* has been issued.

Vol. lvi. of *Memoirs* has been published:—

Thomas Lewis, Measures of the Double Stars contained in the *Mensuræ Micrometricæ* of F. G. W. Struve, collected and discussed; with an Introduction containing general deductions, a list of proper motions of fifty faint stars, and various other information in respect to double stars.

The Royal Society have decided to terminate the arrangement under which the Royal Astronomical Society has been permitted to have reprints of astronomical papers from the *Proceedings* and *Philosophical Transactions*. This decision, however, does not relate to Eclipse reports; and the Reports to the Joint Meeting of the two Societies on 1905 October 19 (reprinted from the *Proceedings*) has been issued to Fellows as a separate publication. The following paper, reprinted from the *Philosophical Transactions*, will shortly be issued as an Appendix to the *Memoirs*:—

F. W. Dyson, Determination of wave-length from spectra obtained at the total solar eclipses of 1900, 1901, and 1905.